BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Modified Estimate for Improvements to Roads and Drains at BEL 2nd Block in Ward No. 10,(Doddabommasandra) Vidyaranyapura Sub Division.**

								Estimate Cost:	3588456.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
	Drain desilting								
	Venugopalswamy Temple Cross Road		1	195.00	0.60	0.40	46.80		
	BEL 2nd Block 3rd Cross Road		1	200.00	0.60	0.40	48.00		
	Chamundeshwari Layout 1st Cross		1	240.00	0.60	0.40	57.60		
			1	64.00	0.60	0.35	13.44		
	1st Main		1	60.00	0.60	0.35	12.60		
			1	100.00	0.60	0.40	24.00		
	Nanjappa Layout 8th Cross		1	54.00	0.60	0.35	11.34		
			1	118.00	0.60	0.40	28.32		
			1	120.00	0.60	0.40	28.80	TP	
							270.90	75.00	**20318.00**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
			Not Executed				0.00	TP	
							0.00	4500.00	**0.00**
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2014-15**	Sqm							
			Not Executed				0.00	TP	
							0.00	292.00	**0.00**

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2014-15**	Cum							
			Not Executed				0.00	**TP**	
							0.00	6000.00	**0.00**
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15**	Tonne							
			Not Executed				**0.00**	**TP**	
							0.00	60000.00	**0.00**
6	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No. 154 / I. 20.18 PWD SR - 2014-15**	Cum							
	Venugopalswamy Temple Cross Road		1	195.00	5.50	0.20	214.50		
	BEL 2nd Block 3rd Cross Road		1	200.00	6.00	0.20	240.00		
			200	2.00	1.00	1.00	400.00		
			31	4.00	1.00	1.00	124.00		
	Chamundeshwari Layout 1st Cross		2	240.00	1.00	0.15	72.00		
			2	64.00	1.00	0.15	19.20		
	1st Main		2	60.00	1.00	0.15	18.00		
			2	100.00	1.00	0.15	30.00		
	Nanjappa Layout 8th Cross		1	54.00	5.30	0.15	42.93		
			1	118.00	5.00	0.15	88.50		

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	120.00	4.50	0.15	81.00		
	Total Qty						**1330.13**	**TP**	
	Qty upto 125%						**305.44**	1000.00	**305438.00**
	Qty above 125%						**1024.69**	1553.88	**1592245.00**
	PWD SR 2015-16 Basic Rate	1587.00							
	Area Weightage @ 8%	126.96							
	Total	**1713.96**							
	Tender Premium @ -9.34%	160.08							
	Total	**1553.88**							
7	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.6 / PWD SR 2014-15**	Sqm							
	Venugopalswamy Temple Cross Road		1	195.00	5.50		1072.50		
	BEL 2nd Block 3rd Cross Road		1	200.00	6.00		1200.00		
	Chamundeshwari Layout 1st Cross		1	240.00	6.00		1440.00		
			1	64.00	4.50		288.00		
	1st Main		1	60.00	6.50		390.00		
			1	100.00	6.00		600.00		
	Nanjappa Layout 8th Cross		1	54.00	5.30		286.20		
			1	118.00	5.00		590.00		
			1	120.00	4.50		540.00	TP	
							6406.70	31.00	**198608.00**
	PWD SR 2015-16 Basic Rate	30.00							
	Area Weightage @ 8%	2.40							
	Total	**32.40**							
	Tender Premium @ -9.34%	3.03							
	Total	**29.37**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen Page No. 159 / Item No. 21.20.2 / PWD SR 2014-15**	Cum							
	Chamundeshwari Layout 1st Cross		1	240.00	6.00	0.025	36.00		
			1	64.00	4.50	0.025	7.20		
	1st Main		1	60.00	6.50	0.025	9.75		
			1	100.00	6.00	0.025	15.00		
	Nanjappa Layout 8th Cross		1	54.00	5.30	0.025	7.16		
			1	118.00	5.00	0.025	14.75		
			1	120.00	4.50	0.025	13.50	**TP**	

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							103.36	8000.00	**826840.00**
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**135.45**	73.00	**9888.00**
	EIRL								
10	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, **using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (30 to 45 mm) with 6% VG-30 Bitumen, No. 165 / Item No. 21.22.6/ PWD SR 2015-16**	Cum							
	Venugopalswamy Temple Cross Road		1	195.00	5.50	0.040	42.90		
	BEL 2nd Block 3rd Cross Road		1	200.00	6.00	0.040	48.00		
							90.90	6980.20	**634500.00**
	PWD SR 2015-16 Basic Rate	7129.00							
	Area Weightage @ 8%	570.32							
	Total	**7699.32**							
	Tender Premium @ -9.34%	719.12							
	Total	**6980.20**							
								Total	**3587837.00**
		#NAME?							35,87,860-00

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2014-15, 2015-16 +/- Tender Premium.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

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